8

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drains at Defence Colony Kidzee School Road and Burial Ground Road in Ward No. 08, Sahakaranagar, Kodigehalli Sub Division.**

							Estimate Cost:		1500000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1/ PWD SR 2014-15**	Cum							
	Drain Desilting								
	Kidzee School Road		2	150.00	0.45	0.35	47.25		
	Burial Ground Road		2	154.00	0.45	0.35	48.51		
	Berm Cutting								
	Kidzee School Road		2	150.00	1.00	0.25	75.00		
	Burial Ground Road		2	154.00	1.00	0.25	77.00		
							247.76	75.60	**18731.00**
	Basic Rate	70.00							
	Area Weightage @8%	5.60							
	Total	**75.60**							
2	Removing B.S Slab of Drain and stacking **Page No. 25 / Item No. 5.32 / PWD SR 2014-15**	Sqm							
	Kidzee School Road		2	150.00		1.35	405.00		
	Burial Ground Road		2	154.00		1.35	415.80		
							820.80	58.32	**47869.00**
	Basic Rate	54.00							
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) **Page No. 25 / Item No. 5.33 / PWD SR 2014-15**	Sqm							
			Qty Vide Item No. 12				**820.80**	75.60	**62052.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
4	KSRRB 500-3: Scarifying existing stone metal layer upto 75mm thick along with their bituminous surface, picking up scarified materials and stacking of old serviceable materials with lead of 100m, sequential spreading of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per water bound macadam specifications including cost of all labour, HOM of machineries complete as per specifications. MORTH chapter 5, **No. 157 / Item No. 21.3 / PWD SR 2014-15**	Sqm							
	Kidzee School Road		2	150.00	1.50		450.00		
	Burial Ground Road		2	154.00	1.50		462.00		
							912.00	82.94	**75645.00**
	Basic Rate	76.80							
	Area Weightage @ 8%	6.14							
	Total	**82.94**							
5	Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **Page No. 154 / Item No. 20.18 PWD SR - 2014-15.**	Cum							
	Kidzee School Road		2	150.00	1.50	0.15	67.50		
	Burial Ground Road		2	154.00	1.50	0.15	69.30		
							136.80		
	Consider 10% for Road Cutting						13.68		
							150.48	1438.56	**216475.00**
	Basic Rate	1332.00							
	Area Weightage @ 8%	106.56							
	Total	**1438.56**							
6	KSRRB 500-1.1 : **Cleaning the existing WBM** road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **P. 157 / I. 21.1 PWDSR 2014-15**	Sqm							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Kidzee School Road		1	150.00	9.00		1350.00		
	Burial Ground Road		1	154.00	8.00		1232.00		
							2582.00	12.20	**31511.00**
	Basic Rate	11.30							
	Area Weightage @ 8%	0.90							
	Total	**12.20**							
7	KSRRB M500-6: **Providing and applying primer coat for surfaces of medium porosity** like cement stabilized soil base @ 1.10 Kg/Sqmt over prepared surface with S.S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of road surface) including cost of all material, labour HOM of machineries complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.5 / PWD SR 2014-15**	Sqm							
			Qty Vide Item No. 04				2582.00		
	Basic Rate	69.00					**2582.00**	74.52	**192411.00**
	Area Weightage @ 8%	5.52							
	Total	**74.52**							
8	KSRRB M500-18: Providing and laying **semi dense bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 508 complete in all respects as per specifications. **using 100-120 TPH capacity H.M.P with sensor paver grading II (25-30mm) with 5% CRMB-55 grade, No. 160 / Item No. 21.21.2 / PWD SR 2014-15**	Cum							
	Kidzee School Road		1	150.00	9.00	0.025	33.75		
	Burial Ground Road		1	154.00	8.00	0.025	30.80		
							64.55		
	Consider 15% For Depression Filling						9.68		
							74.23	11070.00	**821754.00**
	Basic Rate	10250.00							
	Area Weightage @ 8%	820.00							
	Total	**11070.00**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**235.37**	73.57	**17316.00**
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
10	Sub Total								**1483764.00**
11	For Third Part QC inspection Charges @ 1% of Estimate Cost								**14838.00**
12	Miscellaneous and other Charges	L/S							**1398.00**
								Total	**1500000.00**
(Rs. Fifteen Lakhs Only)									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under POW Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

D. K. Madhu Mohan
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative approval for Rs 1500000=00
Rs - Fifteen Lakhs only
is accorded under head P-1771
registered as EE No. ... Subject to conditions contained enclosed memo.
No: 1123/14-15 Dt. 15-00

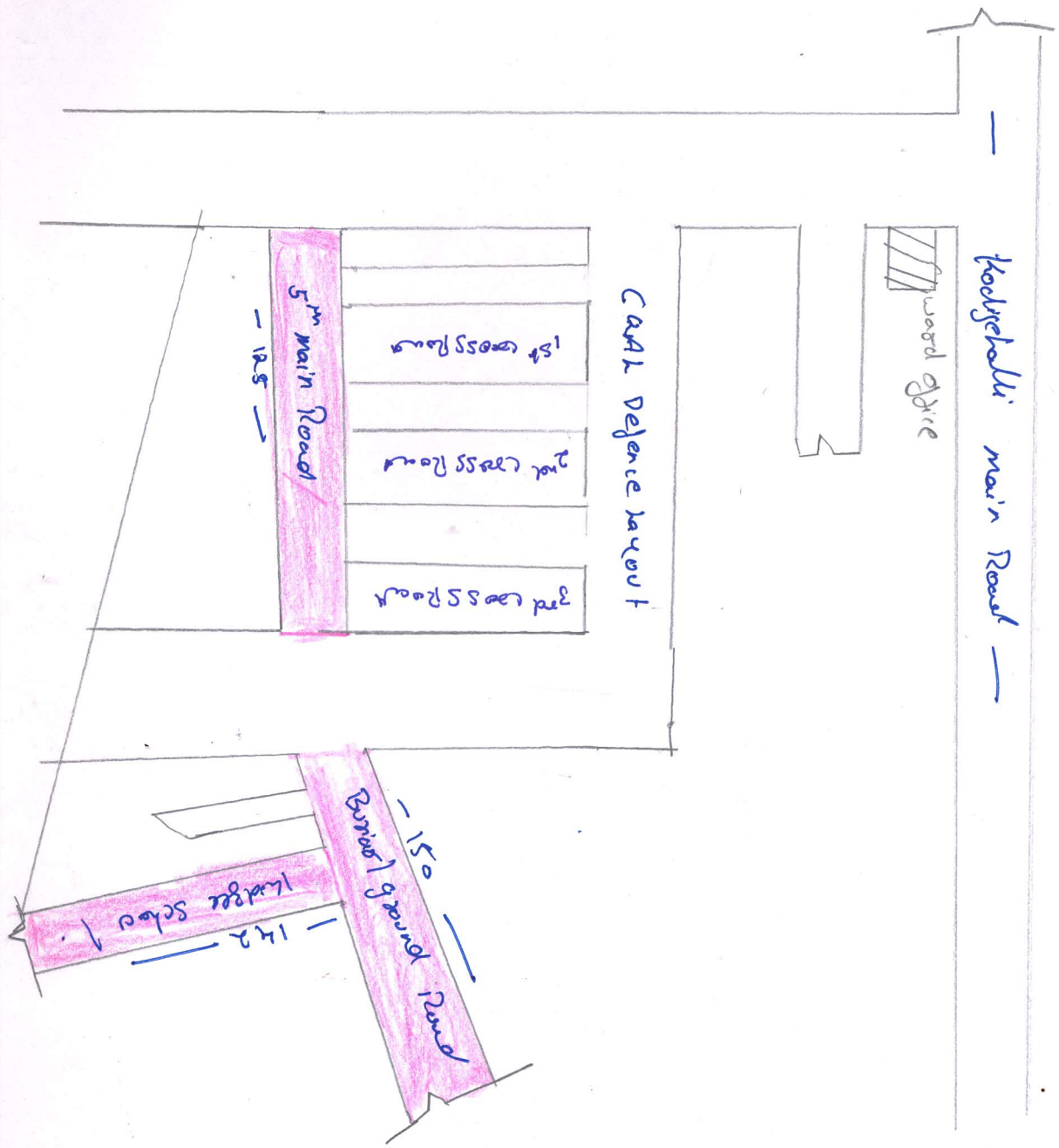
AE/JE

Technical Sanction for Rs. 1500000=00
Rs - Fifteen Lakhs only
P-1771
Registered as EE No. 48 Dt. 22/12/2014 subject to conditions contained enclosed memo.
No. 253 Dt. 22/12/14

AE/JE

EE (BTP.Div.)

Improvements to Roads and Drains at Defence Colony Kidzee School Road and Burial Ground Road in Ward No. 08 Kodigehalli Sub Division.



Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka, B.B.M.P.,
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